

★ ★ ★ ISUZU TRUCK CHALLENGE ★ ★ ★



NPR-HD vs. RAM 4500

NPR Advantages Over RAM 4500:

- Proven Isuzu 4H Family of Engines with B-10 Life of 310,000 Miles. Ram uses outsourced 6.7 Cummins Engine
- NPR has four wheelbases 109, 132, 150, 176 with longer Cab to Axle options allowing longer bodies, but shorter turning radius
- NPR-HD can accommodate 11% more cargo capacity with body up to 20 ft. in length vs. a maximum 18 ft. on Ram
- Built from the ground up as a commercial vehicle for a long life. RAM 4500 is derived from a pickup.
- NPR-HD 14,500 GVWR versus RAM 4500 16,000 GVWR but has about the same body and payload allowance due to lighter total chassis weight
- Reverse Elliot I-Beam front axle is strong and durable. Mono I Beam used on RAM 4500 varies camber with load, contributing to tire wear
- NPR-HD Front Tapered leaf springs provides a smoother ride then RAM 4500 Coil springs
- N-Series rear axle capacity of 14,550 is 21% higher than RAM at 12,000 lbs.
- Greater payload capacity because of lighter truck weight. NPR diesel weighs approximately 1300 lb. less than comparable RAM 4500
- Tilt cab allows easy engine access. Limited engine access on RAM 4500 with very high reach-over to engine area.
- Tighter turning diameter curb-to-curb for comparable cab-to-axle ratio (32.2 ft./110 in. WB vs. 40.1 ft./143 in. WB) improves maneuverability by 24%
- 16-inch truck tires average 50% less expensive to replace and more readily available than 19.5-inch tires on Ram 4500
- Wider door opening for easy entry and exit 85 degree vs. 70 degree
- Durable tricote breathable woven seat material is comfortable and long lasting. Solid vinyl on RAM 4500
- Standard tilt and telescopic steering column contributes to driver comfort
- Grab handle to assist entry and exit contributes to safety on the job. Not available on RAM 4500
- Longer scheduled maintenance intervals helps reduce downtime and service costs
- Standard fold-down center seat includes convenient work area on NPR; base seat on RAM 4500 is non-folding bench
- Greater visibility with larger windshield, larger side windows, larger side mirrors and lower dash to improve vision.
- Standard daytime running lamps vs. optional
- Battery box on frame rails of NPR helps extend battery life by removing batteries from hot under-hood area
- Easier serviceability with in-cab fluid checks vs. RAM's under-hood fluid-checks

SPECIFICATIONS

	Isuzu NPR-HD	RAM 4500
GVWR	14,500 lb.	16,000 lbs
Engine type	5.2 Liter Inline 4HK1-TC	6.7 Liter Cummins Inline 6 Cylinder
Horsepower	215HP @ 2550	305HP@ 3000
Torque	452 @ 1850	610 @ 1600
Transmission	Aisin 6 Spd with Dual OD	Aisin 6 Spd with Dual OD
Steering	Power Steering	Power Steering
Front axle, lb.	6,830 Reverse Elliot I-Beam	7,000
Front springs, lb.	6,830 Tapered Leaf	7,000 Coil
Rear axle, lb.	14,550	12,000
Rear springs, lb.	9,880 Multi Leaf	12,000 Multi Leaf
Wheels	16 x 6 in. 6-bolt	19.5 x 6 in.
Tires	215/85R16E	225/70R19.5F
Brakes, front	11.5 in. disc	15.35 in. disc
Brakes, rear	12.6 x 2.95 in. drum	15.35 in. disc
Frame, psi	44,000	50,000
Frame width, in	33.5	33.8
Frame RBM	316,800	N/A
Battery, CCA (gas)	2x750	1x750
Fuel tank, gal.	30 in-frame	52 in-frame
Seating	Driver & 2 passenger	Bench driver & 2 passenger
Mirrors, in.	8x17	7x8.5
WB/CA (effective)	109.0/86.5	144/60
	132.5/110.0	168/84
	150.0/127.5	192/108
	176.0/153.5	204/120
WB/Turning Diameter Curb to Curb feet	109.0/31.5	144/40.1
	132.5/38.7	168/45.7
	150.0/42.7	192/51.4
	176.0/51.2	204/54.2
WB/Body lengths	109.0/12	144/10
	132.5/14	168/12
	150.0/16,18	192/14
	176.0/18,20	204/16, 18

EQUIPMENT

Vehicle Health Reports	Standard	Not Available
Drop-design windows	Standard	Not Available
Exhaust brake	Standard	Standard
Tilt/telescopic steering column	Standard	Standard Tilt
Tricot fabric	Standard	Optional Fabric
Tilt cab	Standard	Not Available
Folding center seat	Standard	Standard
Daytime running lamps	Standard	Optional
Cruise control	Standard	Optional
PTO prep.	Standard	Optional
Air conditioning	Standard	Optional
Power windows	Standard	Optional
Power door locks	Standard	Optional
Floor mat	Standard	Standard
Tachometer	Standard	Standard
Convex mirrors	Standard	Standard
Engine block heater	Optional	Optional
Engine oil pan heater	Optional	Not Available
AM/FM/CD	Optional	Optional,
Air deflector	Optional	Not Available
Spare wheel	Optional	Optional
Engine protection system	Optional	Not Available
Engine hour meter	Optional	Not Available
Backup alarm	Optional	Optional
Chrome wheel sim.	Optional	Optional
Heated mirrors	Optional	Optional

WARRANTY

Base warranty	36 months/unlimited mileage	36 months/36,000 miles
Engine warranty	36 months/unlimited mileage	60 months/100,000 miles